LED WALL TRI

LCG-027A

User Manual

Please read the instructions carefully before use

1. SAFETY INSTRUCTIONS:

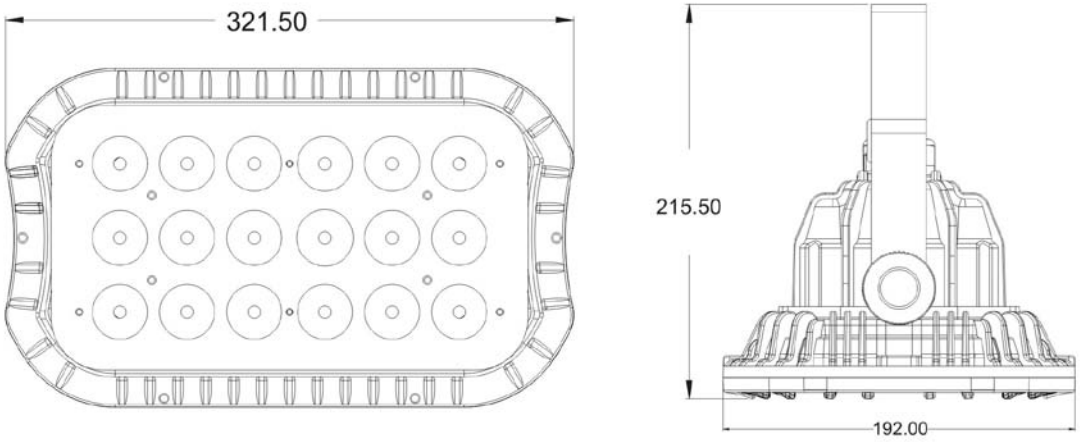
- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order ot avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is TA: 40°C. Don't operate it where the temperature is higher than this.
- Don't connect the device to any dimmer pack.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- The housing or the lenses must be replaced if they are visibly damaged
- Do not allow children to operate the unit.
- Replace fuse only with the same type.
- Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Disconnect the mains power if the unit is not used for a long time
- Do not look directly at the Led Light beam while the unit is on
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.

2. INSTALLATION:

- The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
- The unit must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

3. TECHNICALS SPECIFICATIONS

- Led: 18 x 3W TRI RGB
- Beam angle: 40°
- Black Housing
- Dual yoke for floor mounting
- Led display
- Power In & Out, DMX In & Out
- IP rate: IP65
- Operations Modes: Built-in Program / Auto Run / DMX / Master Slave / Static Colors
- DMX-512: 1 / 3 / 4 / 4 / 6 channels selectable
- Power Consumption: 60W
- Power supply: 120V-60Hz
- Size: 32.15 x 21.5 x 19.2 cm
- Weight: 5.0 kg



4. OPERATIONS:

1. **BUILT-IN Program**
    - **a.** Press MODE button, Pr
    - b. Press UP or DOWN button, select the effect program Pr-01-Pr.10. When LED display show Pr.01, press SETUP button enter the static color edit, press UP or DOWN button , to choose the 7 kinds of static color (1-r; 2-rg; 3-g; 4-gb; 5-b; 6-rb; 7-rgb), when it shows 7-rgb press the “SETUP” to adjust the brightness for the red, green, blue through the “UP” or “DOWN”, press the “SETUP” again to set up the strobe for the color

"FSXX", press the "UP" or "DOWN" to adjust the speed for the strobe FS00~FS99.

c. When LED display show Pr.02-Pr.1, first time press "SETUP", it will show "SP.XX", then you can set up the speed for the program through pressing "UP" or "DOWN", SP01~SP100(FL); second time to press the "SETUP", it will shows "FSXX", then you can adjust the strobe speed through pressing the "UP" or "DOWN", FS00~FS99.

2. Auto run mode

Press MODE button, enter auto run mode menu "AUTO", the light will be auto run 9 kinds of built-in program Pr.02-Pr.1. The user can set up the running speed, the strobe speed under the built in program. Pr.02-Pr.10 then it will run according to the program which has been set up.

3. DMX mode

A. Press MODE button, enter DMX mode menu "d..xxx »

B. Press UP or DOWN button, setup DMX address d.001-d.512

C. Press SETUP button, setup DMX mode menu X-ch

D. Press UP or DOWN button, setup DMX mode 1-ch, 3-ch, 4-ch-1, 4-ch-2, 7-ch four kinds of working mode

DMX MODE 1: 1 CHANNEL (1C)

CHANNEL	DMX VALUE	FONCTION
CH 1	0	No Use
	1-22	Red
	23-45	Green
	46-68	Blue
	69-91	Blue-Green
	92-114	Yellow
	115-137	Orange
	138-160	Pink
	161-183	Purple
	184-206	Dark Blue

	207-229	Pale Green
	230-252	White
	253-255	Warm White

DMX MODE 2: 3CHANNELS (3C)

CHANNEL	VALUE	FUNCTION
1	0-255	RED
2	0-255	GREEN
3	0-255	BLUE

DMX MODE 3: 4 CHANNELS (4C-1)

CHANNEL	VALUE	FUNCTION
1	0-255	Master Dimmer
2	0-255	Red
3	0-255	Green
4	0-255	Blue

DMX MODE 4: 4 CHANNELS (4C-2)

CHANNEL	VALUE	FUNCTION
1	0-255	Master Dimmer
2	0-255	Red
3	0-255	Green
4	0-255	Blue

DMX MODE 5: 6 CHANNELS (6C)

CHANNEL	VALUE		FUNCTION
CH1	0-255		Master Dimming
	Red adjustment	0-255	Red color dimming
	Choose the static color (it is available when the 6	0-8	R255
		9-17	R255 G50
		18-26	R255 G150
		27-35	R255 G255

CH2	channel is 0-25)	36-44	R200 G255
		45-53	R100 G255
		54-62	R40 G255
		63-71	G255
		72-80	G255 B50
		81-89	G255 B150
		90-98	G255 B255
		99-107	G150 B255
		108-116	G50 B255
		117-125	B255
		126-134	R50 B255
		135-143	R150 B250
		144-152	R255 B255
		153-161	R220 B50
		162-170	R150 G50 B100
		171-179	R50 G220 B100
		180-188	R50 G220 B100
		189-197	R150 G220
		198-206	R150 G220
		207-215	G180 B220
		216-224	G220 B50
		225-233	R220 G100 B50
		234-242	R220 G200 B100
		243-251	R255 G200 B150
		252-255	R255 G255 B255
	Speed adjustment (control the CH6 (26-255) speed)	0-255	0-255 slow-fats
CH3	0-255		Green adjustment
CH4	0-255		Blue adjustment
CH5	0-9		NO FUNCTION
	10-255		STROBE (slow-fats)
	0-25		In CH2 can choose 29 kinds of static color
	26-51		Pr02 (7 color gradual change)
	52-77		Pr03 (3 color gradual change)
	78-103		Pr04 (7 color status step)

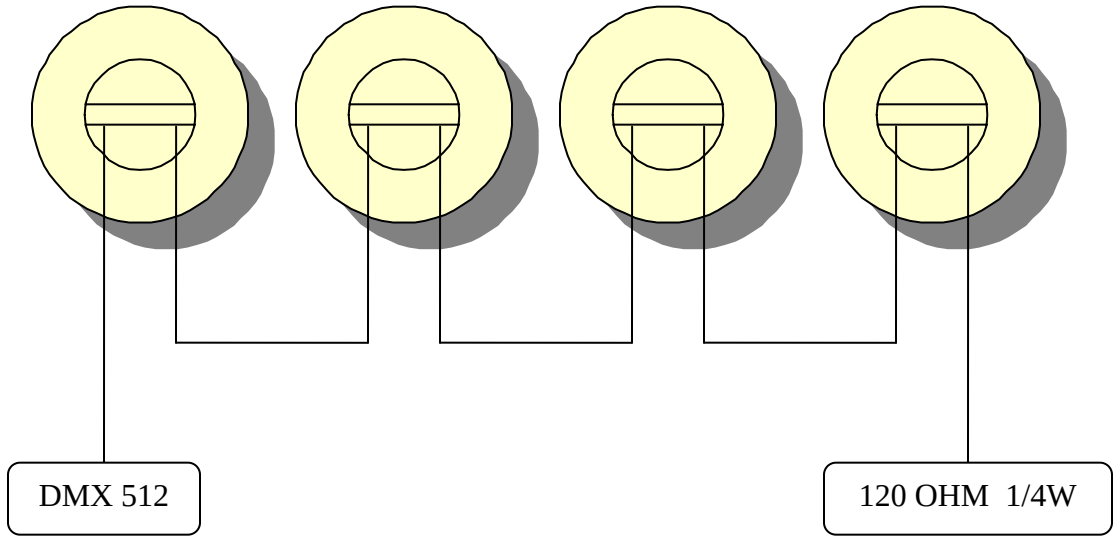
CH6	104-129	Pr05 (3 color status step)
	130-155	Pr06 (dream 1)
	156-181	Pr07 (dream 2)
	182-207	Pr08 (red gradual change)
	208-233	Pro9 (green gradual change)
	234-255	Pr10 (blue gradual change)

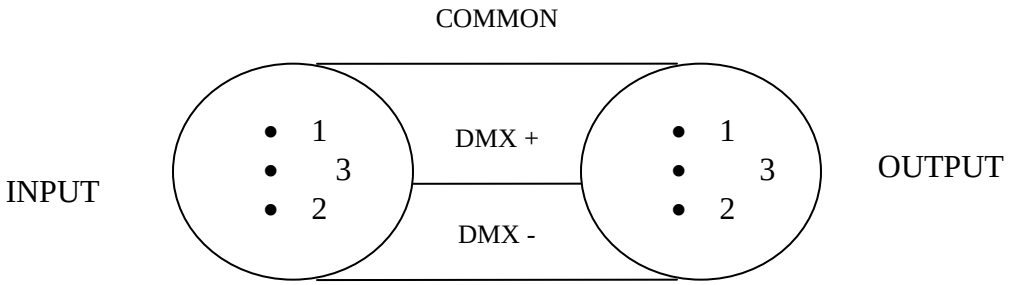
4. MASTER/SLAVE MODE

Press MODE button, enter slave mode “SLAV”
The effect program of the master light on Built-in program or auto run mode is the same with the slave light.

5. DMX512 CONNECTIONS:

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.





Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal. (resistance 120ohm 1/4W) between pin2 (DNX-) and pin3 (DMX+) of the last fixture.

1. Connect the fixture together in a "daisy chain" by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a 2Y" cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
2. The DMX output and input connectors are pass-through to maintain the DMX circuit when no power is connected to the fixture.
3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
4. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
5. 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+).

Notice:

A. If no any touch the button within 20 seconds, the LED display will be close, if touch any button at this time, the LED display will be recover the original status. All the button will be recover the function,

B. This fixture have the excess temperature self defective function. When the brightness is obvious reduce, please check if the fan work in normal, after clear the trouble clear, please power supply, the light will be release defend, and work in normal.

C. Turn on the fixture, it will show the Version No. like V2.0. It will keeps two seconds, then under the working mode which the user set up.

8. TROUBLESHOOTING

Following are a few common problems that may occur during operating. Here are some suggestions for easy troubleshooting:

- **The fixture does not work, no light & the fan does not work**:
  1. Check the connection of power and main fuse.
  2. Measure the mains voltage on the main connector.
- **Not responding to DMX controller**:
  1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
  2. If the DMX Led is on and no response to the channel, check the address settings and DMX polarity.
  3. If you have intermittent DMX SIGNAL problems, check the pins on connectors or on PCB of the fixture or the previous one.
  4. Try to use another DMX controller
  5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface sircuit.

- **No response to the sound**:
  1. Make sure the fixture does not receive DMX signal
  2. Check microphone to see if it is good by tapping the microphone.
- **One of the channels is not working well:**
  1. The stepper motor might be damaged or the cable connected to the PCB is broken
  2. The motor's drive IC on the PCB might be out of condition.

9. **FIXTURE CLEANING**:

The cleaning of internal must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optic.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.